

DART SERVICE INSTRUCTION

TO AMEND:

INSTALLATION INSTRUCTIONS D205-634 REV. F OR EARLIER,

INSTALLATION INSTRUCTIONS D204-635 REV. F OR EARLIER,

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D205-634 REV. 3 OR EARLIER,
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D204-635 REV. 3 OR EARLIER

REF CANADIAN STC: SH96-88

REF FAA STC: SR00563NY

REF EASA STC: EASA.IM.R.S.01303

Purpose:

The Purpose of the DSI 9464-011 Kit is to allow operators to tune landing gear utilizing D205-634-041 / D204-635-041 skidtubes in order to eliminate vibration. This kit consists of various weights that can be attached to the fwd cap of the Dart skidtube.

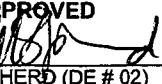
Procedure:

Note: Installer must be careful not to damage underlying skidtube during drilling operations.

- 1) Locate D3955-23 template on the fwd cap of the skidtube. Transfer drill 19 x Ø0.098" holes from the D3955-23 template to the skidtube cap using a #30 drill.
- 2) Transfer drill 1 x Ø0.625" (15.8 mm) from the D3955-23 template to the skidtube as shown in Figure 1.
- 3) Transfer drill 1 x Ø0.201" (#7 drill) from the D3955-23 template to the skidtube as shown in Figure 1.
- 4) Deburr the drilled holes in fwd cap. Ensure the top surface of the cap is clear of debris.
- 5) Apply a layer of Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class B2 sealant between the D3955-041 Doubler and the existing skidtube cap. Install D3955-041 Doubler Assy. using 19 x CR3212-4-04 rivets as shown in Figure 1. The nutplate in the D3955-041 Doubler Assy should pass thru the Ø0.625 hole in the cap.
- 6) Install tuning plates as shown in Figure 2. Torque AN3 bolts 15-25 in-lb (1.7-2.8 N-m). Test the landing gear for vibration.
- 7) If vibration persists, repeat step 6 until vibration is eliminated.
- 8) Update Weight & Balance as outlined below.

Weight And Balance:

The weight and balance increase associated with the installation of the DSI 9464-011 kit will depend on the number of plates that are installed to tune the gear. The weight of individual plates are given in the Parts List Table. The longitudinal arm for the installation of the DSI 9464-011 kit is 40.0 in (1.02 m) on 205/210/212/214/412 models and 42.0 in (1.07 m) on 204 models.

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	10.04.14
CERT. NO.:	SH96-88
ISSUE NO.:	3

B	ADD REF TO D204-635		CP	10.04.14
A	NEW ISSUE		RF	09.07.21
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN				
CHECKED		DRAWING NO.	REV. B	
MFG. APPR.		DSI 9464	SHEET 1 OF 3	
APPROVED		TITLE	SCALE	
DE APPR.		SKIDTUBE TUNING KIT	NTS	
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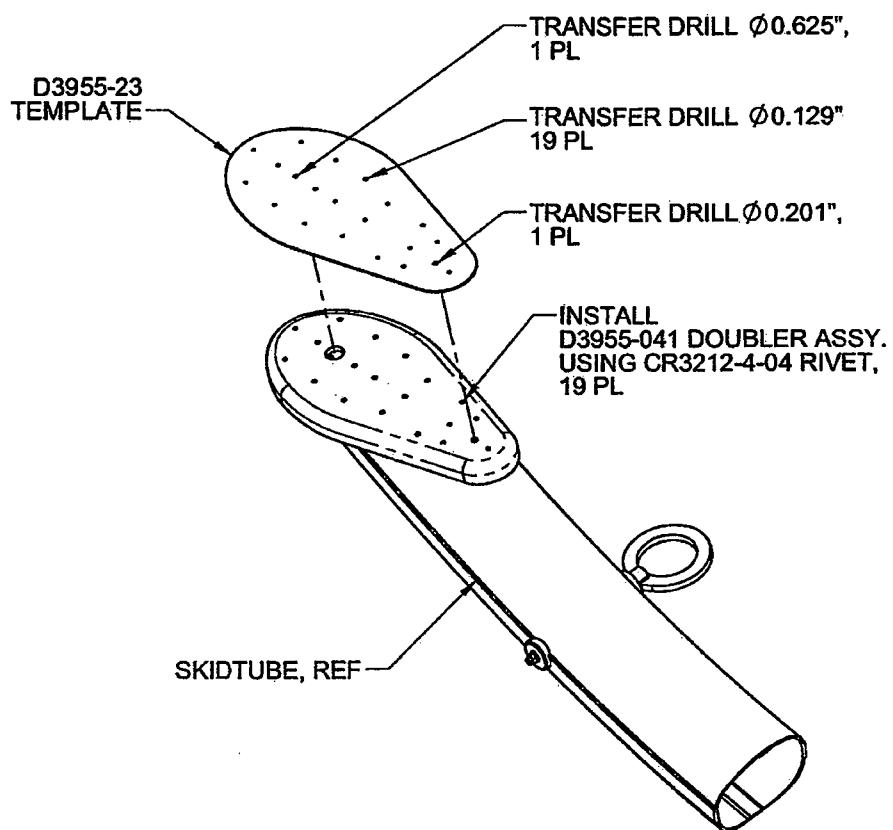


Figure 1

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	10.04.14
CERT. NO.:	SH96-88
ISSUE NO.:	3

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	<i>DP</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>DP</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>N/A</i>	DSI 9464	SHEET 2 OF 3
APPROVED	<i>MD</i>	TITLE	
DE APPR.	<i>MD</i>	SKIDTUBE TUNING KIT	
DATE	10.04.14	SCALE	
		NTS	
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Part List

Qty -011	Part Number	Description	Weight
X	DSI 9464-011	SKIDTUBE TUNING KIT	N/A
2	D3955-041	DOUBLER ASSEMBLY	0.25 lb/ 0.11 kg
2	D3955-3	COVER PLATE	0.64 lb/ 0.29 kg
2	D3955-5	0.063" THICK PLATE	0.64 lb/ 0.29 kg
6	D3955-7	0.125" THICK PLATE	1.28 lb/ 0.58 kg
2	D3955-21	GASKET	0.08 lb/ 0.04 kg
2	D3955-23	TEMPLATE	N/A
38	CR3212-4-04	RIVET	N/A
4	AN3-5A	BOLT	N/A
4	AN3-6A	BOLT	N/A
4	AN3-7A	BOLT	N/A
4	AN3-10A	BOLT	N/A
6	NAS1149D0332J	WASHER	N/A
2	MS21042L3	NUT (OR MS21042-3)	N/A

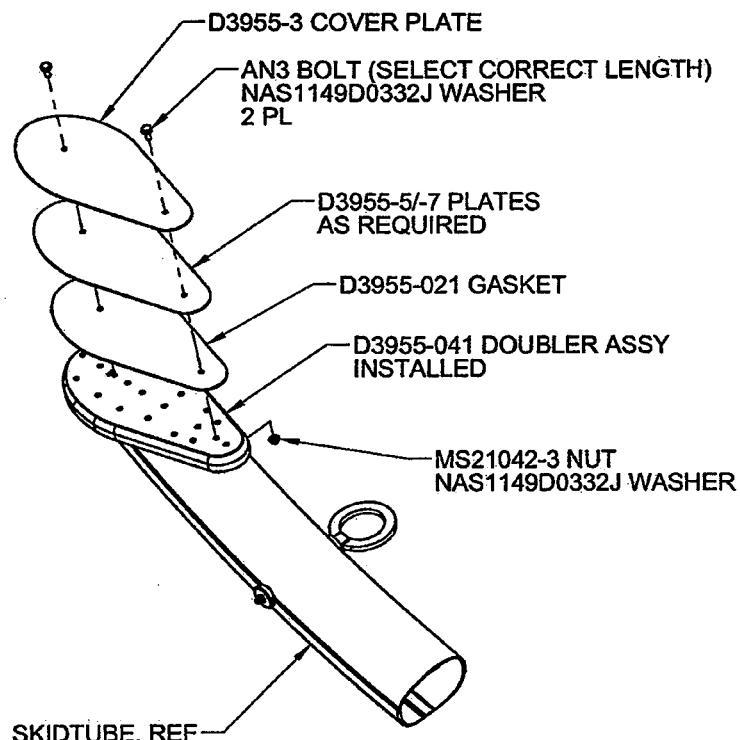


Figure 2

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
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DESIGN	RF	DART AEROSPACE LTD	
DRAWN	QP	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	T/A	DSI 9464	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SKIDTUBE TUNING KIT	NTS
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